

Science 8 - In class review (Cell division + organization)

A. Define mitosis.

Mitosis is the process by which a cell's nucleus divides to form 2 identical copies of genetic material. It is needed for growth + development. It is seen in onion root tips.

B. Define regeneration + give 2 examples.

It is the process of repairing or replacing body parts. It helps with survival. The starfish and lizard are well known examples

C. Order the following: tissue, organism, cell, system, organ. Give 1 example for each.

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| 1. <u>cell</u> | <u>muscle</u> |
| 2. <u>tissue</u> | <u>a muscle</u> |
| 3. <u>organ</u> | <u>heart</u> |
| 4. <u>system</u> | <u>circulatory</u> |
| 5. <u>organism</u> | <u>lion</u> |